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| EIE4432 Interim Report |
| Flight Booking System |
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| Ken Jiang  [Date] |

**Technologies**

Front End: React + Tailwind

Backend: Node with Express

Database: MySQL

**Website Structure**

Index (Log in or sign up)

┃ ┗ Sign up Page (Create an account)

┣ Flights ("Event" Listings)

┃ ┗ Booking Page (Seat selection)

┃   ┗ Payment Page (Enter payment details)

┣ My Bookings (View purchased flights)

┗ Admin page (Only if admin is logged in)

┗ Seat management (Edit seat maps for different planes)

┗ Flight management (Add new flights, "event" management)

**Prototype Screen Captures**

[To be added]

**Application Flow Description**

On entry, the user will be met with the index page. If they are not logged in, they will be prompted to either log in or sign up. The user should not be able to access any of the other pages if they are not logged in.

An *ordinary* logged in user can directly access the **Flights** page or the **My Bookings** page.

The fights page displays all available flights (our site only services short flights from HKG), which can then be filtered by date, destination, etc. After a user finds a flight, they are interested in, they can click the “book” button. This will bring them to the seat selection page (**Booking** page), where they can choose a vacant seat to purchase. After selecting a seat, they are brought to the **Payment** page, where they enter personal and payment details to finalize the purchase of a ticket. On success the ticket is displayed.

All purchased tickets can then be accessed and viewed from the **My Bookings** page.

An *admin* user has access to 2 special pages. The **seat management** page allows an admin to change seat configurations. The real-life analogy to this would be if the airline purchased a new aircraft with a different seat configuration. An admin can also add or remove flights from the **flight management** page.